



Description: Hardline Connector, D015 – 5/8 male w. swivel.
(Measured with Bedea Telass 2.2/8.8 Cable)

DATA SHEET

Electrical

	Specification			Standard
Frequency Range	5 MHz – 3.000 MHz			
Impedance	75 Ω nominal			
	Better Than	Measured – Worst case of 5 measurements		
Return Loss of assembly	31 dB	≥ 33.6 dB	5 MHz – 500 MHz	IEC 61169-1
	26 dB	≥ 29.0 dB	500 MHz – 860 MHz	
	24 dB	≥ 27.3 dB	860 MHz – 1.000 MHz	
	16 dB	≥ 19.3 dB	1.000 MHz – 1.750 MHz	
	15 dB	≥ 18.4 dB	1.750 MHz – 2.150 MHz	
	15 dB	≥ 18.7 dB	2.150 MHz – 3.000 MHz	
Return Loss Gated of D015-58MS	24 dB	≥ 27.0 dB	5 MHz – 500 MHz	IEC 61169-1
	24 dB	≥ 31.2 dB	500 MHz – 860 MHz	
	24 dB	≥ 29.9 dB	860 MHz – 1.000 MHz	
	22 dB	≥ 25.9 dB	1.000 MHz – 1.750 MHz	
	22 dB	≥ 25.8 dB	1.750 MHz – 2.150 MHz	
	21 dB	≥ 24.8 dB	2.150 MHz – 3.000 MHz	
Insertion Loss of Assembly	0.12 dB	≤ 0.09 dB	5 MHz – 500 MHz	
	0.16 dB	≤ 0.13 dB	500 MHz – 860 MHz	
	0.17 dB	≤ 0.14 dB	860 MHz – 1.000 MHz	
	0.25 dB	≤ 0.22 dB	1.000 MHz – 1.750 MHz	
	0.29 dB	≤ 0.26 dB	1.750 MHz – 2.150 MHz	
	0.31 dB	≤ 0.28 dB	2.150 MHz – 3.000 MHz	
Shielding Effectiveness of assembly (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz		≤ 0.51 m Ω /item	IEC 62153-4-3
	Screening Attenuation @ 30 – 1.000 MHz		≥ 112.2 dB	IEC 62153-4-4
	Screening Attenuation @ 1.000 – 2.000 MHz		≥ 100.9 dB	IEC 62153-4-4
	Screening Attenuation @ 2.000 – 3.000 MHz		≥ 102.1 dB	IEC 62153-4-4
	Class: A++		EN 50117	
Common Path Distortion	≤ -110 dBc			ANSI/SCTE 109 2005
Inner Conductor Resistance	≤ 1.5 m Ω @ 1 A DC.			IEC 61169-1
Amp. Rating	≤ 15 A @ 60 V.			
Dielectric Strength	≥ 3 KV.			IEC 61169-1
Insulation Resistance	≥ 29.99 G Ω @ 500 V.			IEC 61169-1

Environmental

	Specification	Standard
Temperature range Operating	-40°C to +85°C	
Temperature range Installation	-5°C to +50°C	
Sealing Test	IPX8 – 1 meter / 24 hours	IEC 60529
Red Dye		ANSI/SCTE 60
Corrosion Protection		ASTM B 117-94

Mechanical

	Specification	Standard
Interface	5/8 male	ANSI/SCTE 92
Cable Retention	≥ 150 kgf	ANSI/SCTE 99

Material and Finish

	Specification	Standard
Housing	NiSn (NITIN) plated Brass	ASTM B605
Inner conductor	NiSn (NITIN) plated Brass	ASTM B605
O'ring	EPDM	
Insulator	Polycarbonate/Polyethylene	

In order to continue to supply the best products, PPC reserves the right to change the products and specifications at any time without prior notice.

Measurement setup:

D015-58MS – Cable – D015-58MS.

All measurements are done with Bedea Telass 2.2/8.8 cable, length 1.0 meter.

All results are the worst case result of measurement of 5 assemblies.

All tests are performed using instruments calibrated in accordance to our ISO 9001 certification.

Return Loss, Insertion Loss and Shielding are measured with Rohde & Schwarz ZNB8 Network Analyzer, according to IEC standards.

CPD (Common Path Distortion) are measured with hp Spectrum Analyzer hp 8591E, according to SCTE standard.

In case of over current (≥ 15 A.) there is a risk for high temperature inside the connector, which can cause damage of the insulator, and / or the cable.

Further test reports, technical specifications and installation instructions can be obtained on request.

